

ABSTRACT

The present invention provides a process for producing a luminescent glass, comprising the steps of adsorbing, to a porous high silica glass, at least one metal component selected
5 from the group consisting of elements of Groups IIIA, IVA, VA, VIA, VIIA, VIII, IB, IIB and IVB of the Periodic Table; and thereafter heating the porous glass in a reducing atmosphere.

The luminescent glass obtained by the process is excellent in heat resistance, chemical durability, mechanical
10 strength and other properties, and exhibits strong luminescence when irradiated with UV light or the like. The glass can be effectively used as a luminous body for lighting systems, display devices, etc.